

LIGHT DIFFUSION POLARIZING PLATE**Publication number:** JP2000075135**Publication date:** 2000-03-14**Inventor:** KOBAYASHI SHIGEO; TAKAHASHI YASUSHI; SHODA TAKAMORI**Applicant:** NITTO DENKO CORP**Classification:****- International:** B32B7/02; G02B5/02; G02B5/30; G02F1/1335; B32B7/02; G02B5/02; G02B5/30; G02F1/13; (IPC1-7): G02B5/30; B32B7/02; G02B5/02; G02F1/1335**- European:****Application number:** JP19980264001 19980901**Priority number(s):** JP19980264001 19980901[Report a data error here](#)**Abstract of JP2000075135**

PROBLEM TO BE SOLVED: To obtain a polarizing plate which allows the formation of a liquid crystal display device making it possible to lower bulk in spite of omission of a light diffusion sheet and substantially preventing the generation of interference fringes in spite of control of the optical path via a condenser sheet, does not damage the device in site of the arrangement thereof on the condenser sheet and does give rise to a sticking problem.

SOLUTION: This light diffusion polarizing plate has light diffusion layers 1 of a surface fine rugged structure formed in tight contact with the one or both surfaces of the polarizing plate 2 and has a cloud value of $\geq 60\%$. The cloud value of the case the surface is smoothed by embedding the surface fine rugged structure described above by a transparent polymer is 40 to 60%. As a result, the display device of good visibility which is of a thin type and substantially prevents the generation of the interference fringes may be formed. The light diffusion layer preferably consists of a UV curing resin layer contg. particulates.

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